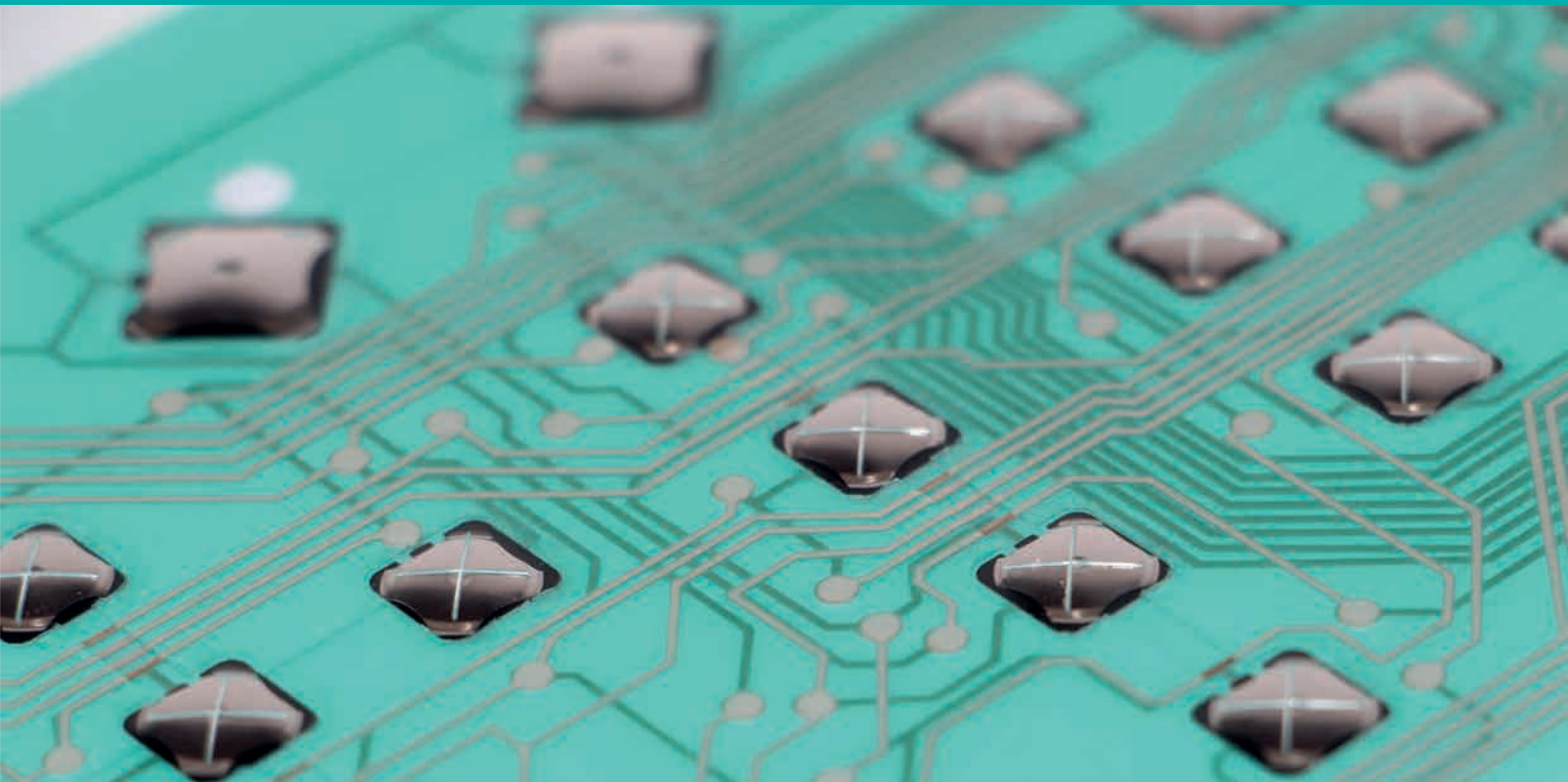
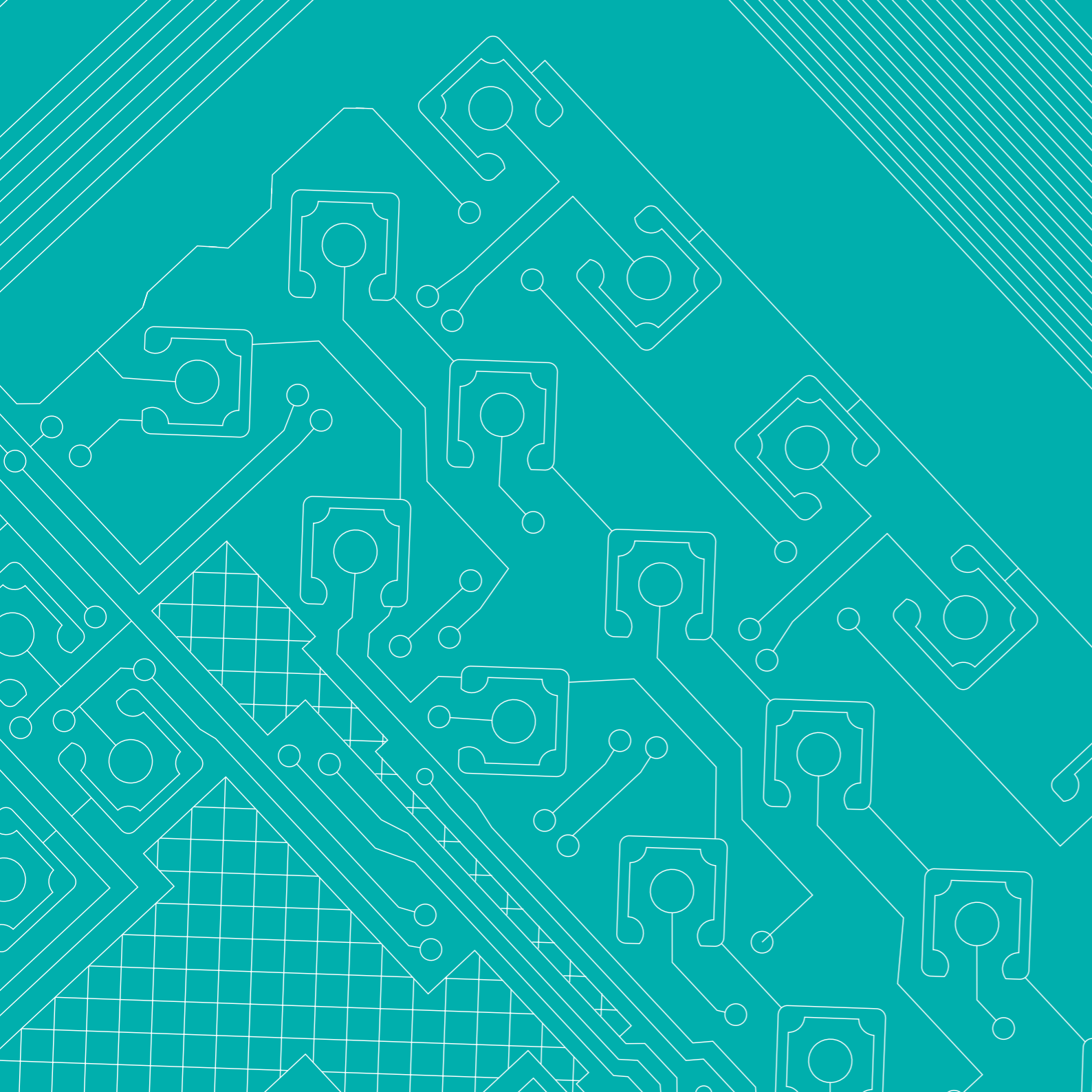


ROOS

THE SYSTEMS SUPPLIER
YOU'LL LIKE



**CUSTOMER-SPECIFIC SYSTEM SOLUTIONS
FOR THE INDUSTRY AND ADVERTISING SECTORS**



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ABOUT US

Our company

Characterised by comprehensive knowledge, expertise, innovative ideas and the perfect implementation, Roos GmbH is an owner-run family company that has been operating successfully on the market since 1975. We have a great manufacturing depth and high quality standards. Our range of products includes complete customer-specific input systems through to industrial and advertising labelling as well as the finishing of print media.

Our team

Our employees are the key to our success. As an experienced team with great enthusiasm, we are concentrating our efforts on meeting the requirements and wishes of our customers. From consulting via prepress and printing, to finishing and dispatch, Roos GmbH offers the full range of services, from a single source.

Our values

We provide a comprehensive range of products, a high level of quality and rapid handling of orders. With Roos GmbH, you have a partner you can rely on. Our quality awareness is reflected in our certifications and in our satisfied customers.



TOUCH SYSTEMS

Complete solutions tailored to your needs

Today, touch panels are widely used in many sectors. Their functionality and flexibility make them essential in, for example, medical technology, engineering and entertainment electronics. We offer you the optimum solution in accordance with your industry-specific requirements. Whether you need to maintain strict hygiene regulations, whether your product needs to be resistant to aggressive substances or withstand dust and water, Roos GmbH is able to offer a coordinated system for your specific field of application.

- Capacitive touchscreens with glass surfaces
- Resistive touch displays with membrane surfaces
- Implementation of almost all display formats
- Individually printed touch fronts
- Combination with membrane keyboards
- Calibration of end devices

**PROFESSIONAL TOUCH SYSTEMS
FOR INDUSTRY-SPECIFIC REQUIREMENTS**

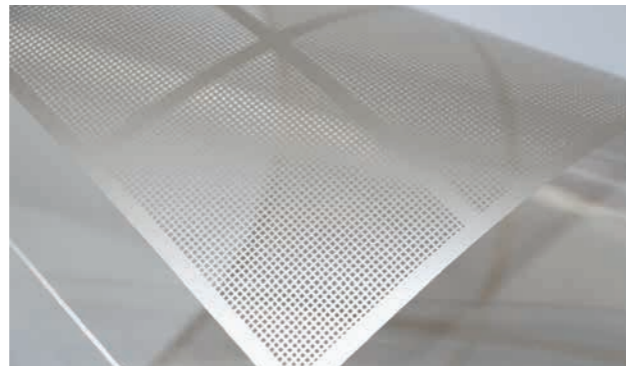
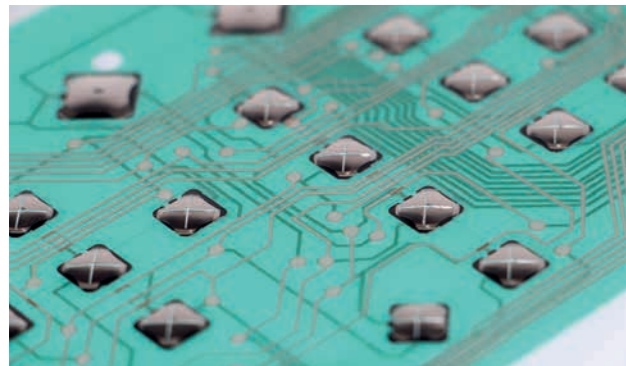


MEMBRANE KEYBOARDS

Customer-specific membrane keyboards

Unlike conventional keyboards, membrane keyboards are protected from all environmental influences and are capable of more than 5 million switching cycles. Due to their performance capabilities as well as their robust and resistant properties, these flat input systems are used in almost all sectors of industrial and medical technology. Roos GmbH has specialised in the manufacturing of customer-specific membrane keyboards and offers comprehensive services.

- Individually designed front membrane designs
- Insert technologies for customer-specific or country-specific labelling
- Printed electronic switches with and without snap disks
- Use of shielding membranes as protection from EMI and ESE
- Integration of LEDs for optical status displays
- Various crimp connector connections



DURABLE MEMBRANE KEYBOARDS IN ACCORDANCE WITH YOUR INDIVIDUAL SPECIFICATIONS

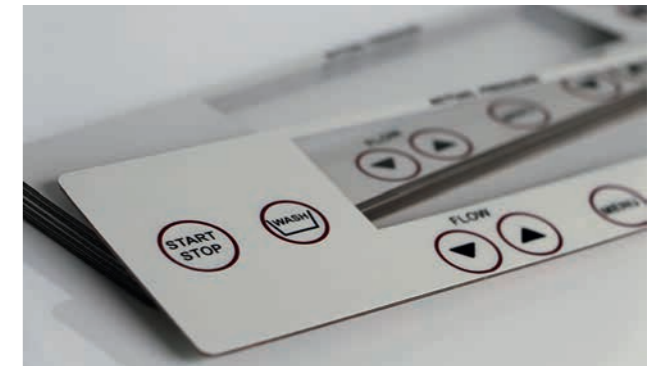
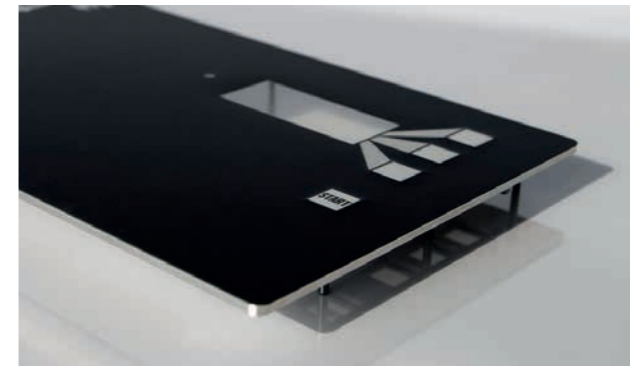
FRONT MEMBRANES

Durable and scratch-proof front membrane design

The design of a front membrane has a considerable influence on the user-friendliness of the input device. In conjunction with our customers, we develop the design and then produce the front membranes precisely in accordance with their individual requirements. In order to ensure convenient operation of the controls, a variety of printing functions, such as disappearing effects, translucent paint, partially painted windows for LCD displays and much more may be used. In accordance with customer requirements, we make use of a variety of membrane materials with innovative and unique characteristics.

- Manufacturing of front membranes using screen printing methods
- Prototypes and small series production using digital printing methods
- Key embossing for improved tactile switching effect
- Adhesive printing or lamination
- Punching, plotting or laser cutting

**HIGH-QUALITY FRONT MEMBRANES
FOR CONVENIENT OPERATION**



HOUSING AND FRONT PLATES

Flat and round printing for individual products

The fine technical and graphical labels on front plates, housings and bodies require shiny and durable paints with long lifetimes. With our modern machinery, we are able to print both flat and round objects with even surfaces using a screen printing method. The special screen printing paints are characterised by high adhesive and friction-wearing properties as well as resistance to chemicals and scratching.

- Screen printing on housings, front plates and bodies
- Paint mixtures in accordance with HKS, RAL and Pantone colours
- Single and multiple-colour motifs
- Printing materials: Metal, plastic, wood, glass



**DIRECT PRINTING ONTO FRONT
PLATES, HOUSINGS AND BODIES**

SIGN SYSTEMS AND TYPE PLATES

Signs of all kinds

Whether construction signs, type plates, labels, door signs, advertising signs, orientation boards or displays, we print and label signage of all kinds, for both indoor and outdoor use. Perfect printing quality, precise labelling and exemplary processing are a matter of course. For the implementation of your individual and creative signage and display projects, we are always able to offer the right base plate materials: Hard PVC, plexiglass, polycarbonate, PVC hard foam, polystyrene or stainless steel.

- Scratch-proof and resistant results in direct printing
- Signage labels with coloured high-performance membranes
- Labelling with digitally printed membranes

**DIRECT PRINTING AND LABELLING OF
SIGNS FOR INDOOR AND OUTDOOR USES**

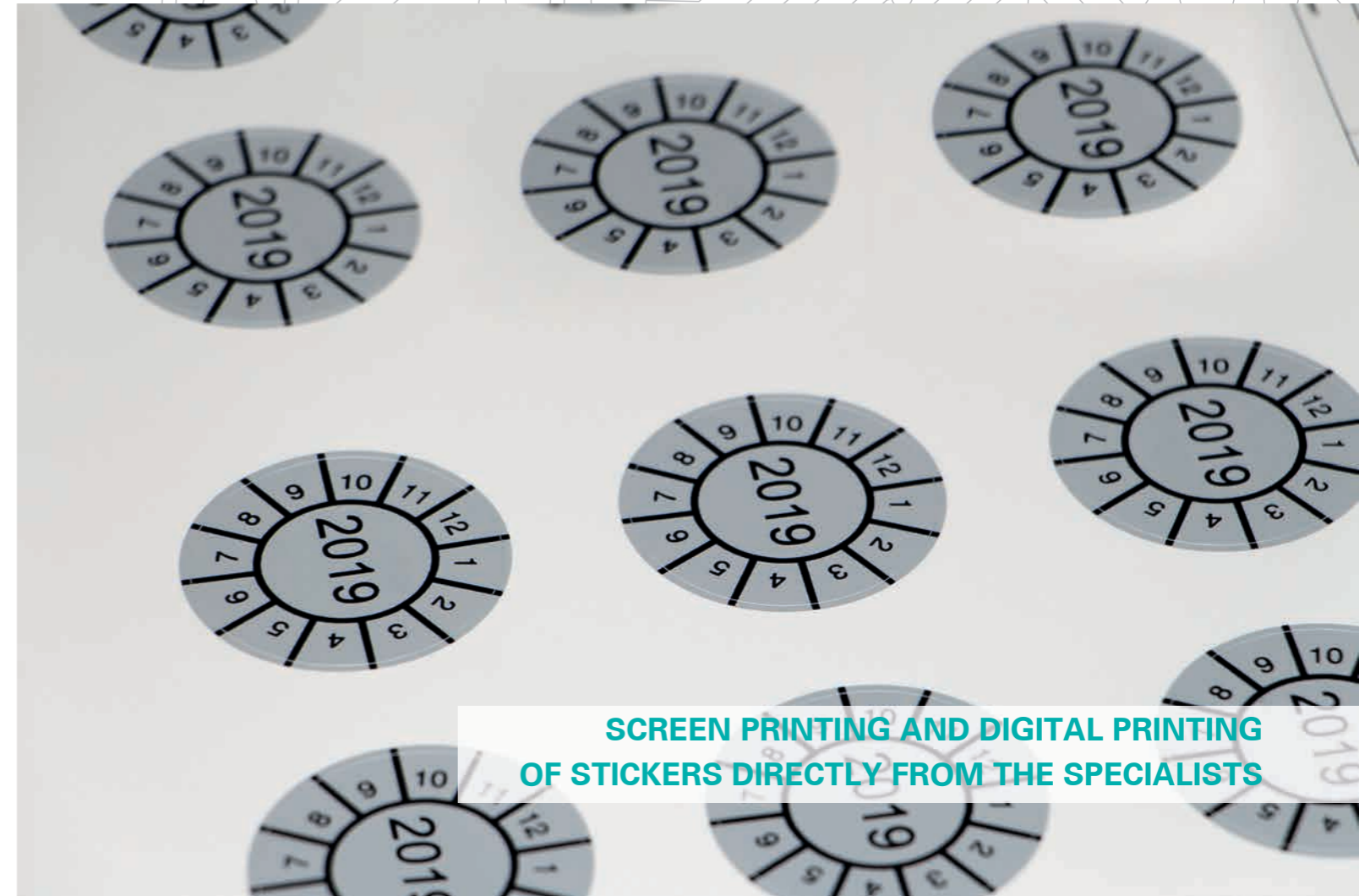


STICKERS, LABELS, INSPECTION BADGES

Self-adhesive labelling

Stickers, labels and inspection badges are printed using screen or digital printing methods. Depending on the intended use and required characteristics, we are able to offer optimum self-adhesive membranes in the highest of qualities. We print stickers for indoor and outdoor use precisely to meet the customer requirements. Special features such as lifting tabs and slits are not a problem.

- Printing of small and large batches
- Water-proof and UV resistant printing results
- Monomer, polymer and cast high-performance membranes
- The widest variety of finishing options for decorative purposes
- Resistant digital printing stickers with protective laminate
- Doming stickers with 3D effect



**SCREEN PRINTING AND DIGITAL PRINTING
OF STICKERS DIRECTLY FROM THE SPECIALISTS**

PRINT FINISHING

Effective, decorative and creative printed products

Print finishing is one of the many areas in which we have specialised. With unique effect and interactive paints, we can effectively promote every advertising message. Brochures, flyers, postcards, book covers and many other printing products can be effectively finished using screen printing. Particularly unusual wishes are no problem thanks to our experience in print finishing.

- Consultation and implementing of your printing ideas
- Optical, haptic, scented and functional effects
- Variations and combinations of effects are possible
- Rapid order processing



**PRINT FINISHING USING SCREEN PRINTING
FOR EFFECTIVE PRINT MEDIA**



FOLDERS, DIRECTORIES, PACKAGING

Impressive presentation

Whether for the purposes of organisation, presentation or exhibition: Folders, directories and packaging are universal aids in many areas. When it comes to original and elegant presentation and office media, you have come to the right address. We implement both common and more unusual formats. And we also complement your design with individual printing along with company colours and logos.

- Development of idea through to the functional product
- Printing and finishing using screen printing methods
- Precise colour representation of the Corporate Design



**IMPRESSIVE EXCLUSIVE DESIGNS
AND FUNCTIONAL IMPLEMENTATIONS**

CHIP CARDS

Individually printed and coded

Plastic and chip cards are an essential part of our everyday life. They accompany us everywhere, e.g. as customer loyalty cards when shopping, as insurance cards when visiting the doctor or as access cards at work. We offer you a comprehensive range of plastic and chip cards. We are able to individually print and code simple plastic cards as well as no-contact and contact chip cards and cards with magnetic strips.

- Printing of single-colour or multi-colour motifs
- Printing on one or both sides
- Printing of photographs, rasters and fine lines
- Personalisation or sequential numbering
- Combination with a signature strip also possible

**COMPREHENSIVE RANGE OF PLASTIC AND
CHIP CARD OFFERINGS FOR ALL PURPOSES**

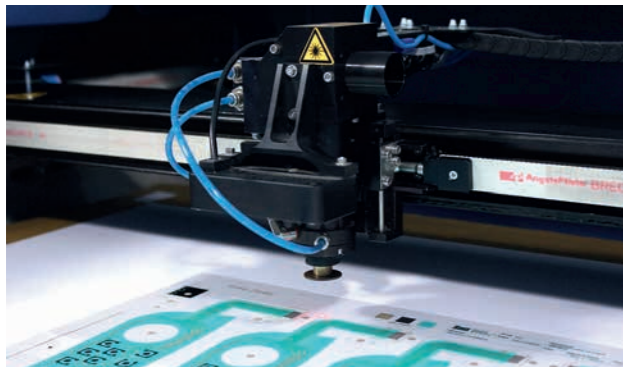


PRODUCTION AND FINISHING WORK

End-to-end manufacturing is our core competence

A personal consultation regarding the printing method and all additional stages of production is one of the key elements of our offering. For the implementation of your individual and creative projects, we offer the optimum solution, tailored to your needs. Fully automated screen printing lines, digital printing systems, round and flat printing technology along with an enthusiastic and knowledgeable team all go to ensure the precise realisation of your ideas. From the construction of the prototype to serial production and finishing, we look after the entire process. Thus, when it comes to finishing, we take on the following tasks on your behalf:

- Adhesive printing and lamination
- Lamination of protective film
- Embossing
- Placement
- Cutting, punching, lasering, plotting




**FROM IDEA THROUGH TO THE
FUNCTIONAL PRODUCT**

QUALITY MANAGEMENT

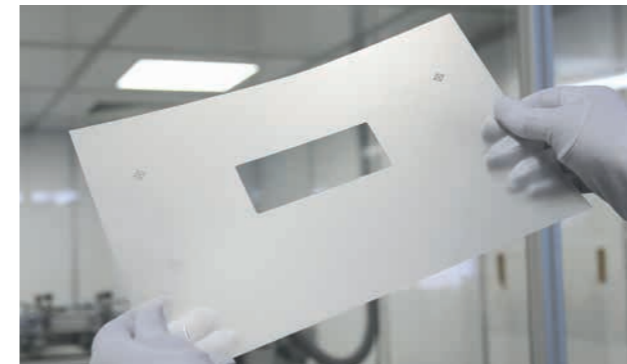
Quality assurance in all stages of production

A key component of our business strategy is ensuring the maintenance of a high and constant product quality. In order to deliver a high level of quality, we carry out constant intermediate checks and measurements during the course of the entire manufacturing process. Prior to dispatch, the finished product is again subjected to a comprehensive quality check. The quality of the processes is safeguarded by the correct implementation of internal quality regulations. All stages of the work are analysed carefully, optimised and designed to benefit the customer. In this way, as system supplier, Roos GmbH meets the highest possible customer demands with regard to technology, service, customer-orientation and quality. Facts that are reflected by our certifications:

- DIN EN ISO 9001
- DIN EN ISO 14001



HIGHEST POSSIBLE QUALITY
FOR ALL PRODUCED PRODUCTS



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